

# Pistons and partners in modern engines

## Our know how – your advantage!

Although components as well as pistons and conrods belong to the trusted technology, time does not stand still: New technologies, new designs and new materials turn engine parts such as piston systems and engine bearings into state of the art technology.

The latest generation of engines has become so sophisticated that minor weaknesses are often enough to affect the entire system. This makes the question of what new technologies are around and what needs to be considered even more important.

### Contents

- Requirements of engine components
- Design, function and development
- Development trends for pistons and engine bearings
- Sliding surface technologies for grey cast iron and aluminium cylinders
- Excess oil consumption diagnosis
- Repair considerations and recommendations
- Problems and solutions in damage analysis

### Aims

#### The participants

- will find out about the latest development trends.
- will gain knowledge of how to process and repair grey cast iron and aluminium sliding surfaces correctly.
- will gain background knowledge of how to better assess repair measures.
- will gain detailed knowledge of the different engine components.
- will learn about analysis methods which can help to better assess damages, and thereby avoid consequential damages.



#### Target group

Foremen and mechanics from workshops and engine reconditioners.

Service staff and sales employees with a technical focus, who are keen to expand their product knowledge.

ADVANCED TRAINING?  
NO PROBLEM!

